

AMENDMENTS TO THE CLAIMS

Claims 1 to 35 (Cancelled)

36. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence selected from the group consisting of:

(a) an isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 443 of SEQ ID NO:2; and

(b) an isolated polynucleotide encoding a polypeptide comprising amino acids 2 to 443 of SEQ ID NO:2.

37. (New) The isolated nucleic acid molecule of Claim 36, wherein said polynucleotide is (a).

38. (New) The isolated nucleic acid molecule of Claim 37, wherein said polynucleotide comprises nucleotides 320 to 1648 of SEQ ID NO:1.

39. (New) The isolated nucleic acid molecule of Claim 36, wherein said polynucleotide is (b).

40. (New) The isolated nucleic acid molecule of Claim 24, wherein said polynucleotide comprises nucleotides 323 to 1648 of SEQ ID NO:1.

41. (New) A recombinant vector comprising the isolated nucleic acid molecule of Claim 36.

42. (New) An isolated recombinant host cell comprising the vector of Claim 41.

43. (New) A method of making an isolated polypeptide comprising:

(a) culturing the isolated recombinant host cell of Claim 42 under conditions such that said polypeptide is expressed; and

(b) recovering said polypeptide.

44. (New) The isolated polynucleotide of Claim 36 wherein said nucleic acid sequence further comprises a heterologous nucleic acid sequence.

45. (New) The isolated polynucleotide of Claim 44 wherein said heterologous nucleic acid sequence encodes a heterologous polypeptide.

46. (New) The isolated polynucleotide of Claim 45 wherein said heterologous polypeptide is the C_H region of human immunoglobulin IgG2a.

47. (New) An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence that is at least 95.0% identical to nucleotides 323 to 1648 of SEQ ID NO:1, wherein percent identity is calculated using a CLUSTALW sequence alignment, and wherein said polynucleotide encodes a polypeptide that binds to Grb2, Vav, Lat, c-Cbl, or SLP-76,

48. (New) An isolated nucleic acid molecule comprising a polynucleotide encoding a polypeptide sequence that is at least 95.0% identical to amino acids 2 to 443 of SEQ ID NO:2, wherein percent identity is calculated using a CLUSTALW sequence alignment, and wherein said polypeptide binds to Grb2, Vav, Lat, c-Cbl, or SLP-76.

49. (New) An isolated polynucleotide encoding the polypeptide of SEQ ID NO:2 as encoded by cDNA clone, hMIST clone #8, contained in ATCC Deposit No: PTA-2981.

50. (New) An isolated polynucleotide encoding a polypeptide comprising at least 352 contiguous amino acids of SEQ ID NO:2, and wherein said polypeptide binds to Grb2, Vav, Lat, c-Cbl, or SLP-76.

51. (New) The isolated nucleic acid molecule of Claim 50, wherein said polynucleotide comprises at least 1128 contiguous nucleotides of SEQ ID NO:1.

52. (New) An isolated polynucleotide which represents the complete complementary sequence of (a) or (b) of Claim 36.

53. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 83 to 443 of SEQ ID NO:2, and wherein said polypeptide binds to Grb2, Vav, Lat, c-Cbl, or SLP-76.

54. (New) The isolated nucleic acid molecule of Claim 53, wherein said polynucleotide comprises nucleotides 566 to 1648 of SEQ ID NO:1

55. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 323 of SEQ ID NO:2, and wherein said polypeptide binds to Grb2, Vav, Lat, c-Cbl, or SLP-76.

56. (New) The isolated nucleic acid molecule of Claim 53, wherein said polynucleotide comprises nucleotides 320 to 1288 of SEQ ID NO:1.

57. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 160 to 320 of SEQ ID NO:2, and wherein said polypeptide binds to Grb2, Vav, Lat, c-Cbl, or SLP-76.

58. (New) The isolated nucleic acid molecule of Claim 57, wherein said polynucleotide comprises nucleotides 797 to 1279 of SEQ ID NO:1.

59. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 320 to 443 of SEQ ID NO:2, and wherein said polypeptide binds to Grb2, Vav, Lat, c-Cbl, or SLP-76.

60. (New) The isolated nucleic acid molecule of Claim 53, wherein said polynucleotide comprises nucleotides 1277 to 1648 of SEQ ID NO:1.

61. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 324 to 407 of SEQ ID NO:2, and wherein said polypeptide binds to Grb2, Vav, Lat, c-Cbl, or SLP-76.

62. (New) The isolated nucleic acid molecule of Claim 53, wherein said polynucleotide comprises nucleotides 1289 to 1540 of SEQ ID NO:1.

63. (New) An isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 320 of SEQ ID NO:2, and wherein said polypeptide binds to Grb2, Vav, Lat, c-Cbl, or SLP-76.

64. (New) The isolated nucleic acid molecule of Claim 53, wherein said polynucleotide comprises nucleotides 320 to 1279 of SEQ ID NO:1.

65. (New) The isolated polynucleotide according to Claim 36 wherein said polynucleotide contains a single nucleotide substitution.

66. The polynucleotide according to Claim 36, 47, 48, 49, 50, 53, 55, 57, 59, 61 or 63 wherein said polynucleotide encodes a polypeptide that is phosphorylated.

67. (New) A recombinant vector comprising the isolated nucleic acid molecule of Claim 47, 48, 49, 50, 53, 55, 57, 59, 61 or 63.

68. (New) An isolated recombinant host cell comprising the vector of Claim 67.

69. (New) A method of making an isolated polypeptide comprising:

(a) culturing the isolated recombinant host cell of Claim 68 under conditions such that said polypeptide is expressed; and

(b) recovering said polypeptide.